2M805 Tri-Start Threaded Coupling

General Information

Page Guide

Amphenol's 2M Micro38999 Connector Series… The New Aerospace Standard

Averaging less than half the size and weight of their 38999 ancestors, Amphenol's 2M Micro38999 series are an easy and inexpensive way to take weight out of your system. 2M meet or exceed most environmental and performance requirements listed in MIL-DTL-38999, so modernizing your equipment doesn't mean sacrificing ruggedness. With almost 2,000,000 configurations in every termination style and a full complement of accessories available right out of the catalog, customization has never been easier. Smarter, faster and smaller: Amphenol's 2M… the only connector you'll ever need.

2M805 Features

- Tri-start fast coupling
- Excellent EMI shielding
- Superior vibration resistance
- Waterproof
- Nickel plated ground spring

Why 2M805?

2M805 connectors are the evolution of the mil-standard circular. Designed to meet the same harsh environmental requirements of D38999, they were developed to make scaling-down existing technology easy and risk-free. Your systems are getting smaller, lighter, and faster; so why wouldn't your interconnect do the same? Less than half the size and weight of their 38999 predecessors, you can reduce size, reduce space, and reduce cost… but never reduce your expectations.

2M805 VS 38999		
Specification	**2M805**	**MIL-DTL 38999 Series III**
Signal Count	1 to 130	1 to 187
Insulation Resistance	5,000 megaohms min	5,000 megaohms min
Operating Temperature	-65°C to +150°C	-65°C to +175°C
Shock	300 G ± 15	300 G ± 15
Vibration	"43.9 G Random 60.0 G Sine"	"43.9 G Random 60.0 G Sine"
Shielding Effectiveness	"85 dB min. from 100 MHz to 1000 MHz"	"65 dB min. from 100 MHz to 1000 MHz"
Durability	500 mating cycles min.	500 mating cycles
Shell to Shell Conductivity	2.5 mV drop max	2.5 mV drop max
Contacts	Per AS39029	Per AS39029
Environmental Resistance	IP67 (When Mated or with a Protection Cap)	IP67 (When Mated or with a Protection Cap)

2M805 MATERIALS AND FINISHES	
Shells	Aluminum Alloy or Stainless Steel
Contacts	Copper Alloy, gold plated
Insulators	Polyphenylene Sulfide (PPS)
Contact Retention	Beryllium Copper Alloy
Grommet, Interfacial Seal, O-Ring	Fluorosilicone Rubber

2M805 Tri-Start Threaded Coupling

Ordering Guide for 2M805 Plugs & Receptacles

Micro38999

1. SERIES	2. SHELL STYLE	3. SERVICE CLASS	4. SHELL SIZE INSERT ARANGEMENT	5. CONTACTS	6. KEYING	7. SUFFIX
2M805-003	-01	ZNU	5-3	P	A	

1. SERIES

Type	Part #	Description
		PLUG
CRIMP	2M805-001	Plug with Integral Backshell
CRIMP	2M805-002	Plug with Accessory Threads
		RECEPTACLE
CRIMP	2M805-003	Receptacle with Integral Backshell
CRIMP	2M805-004	Receptacle with Accessory Threads
		STRAIGHT PCB/SOLDER
PCB/ SOLDER	2M805-005	Receptacle w/ Epoxy Potting
PCB/ SOLDER	2M805-017	Receptacle for Open Face Immersion
PCB/ SOLDER	2M805-067	Receptacle with Standoff Flange for Mechanical PCB Strain Relief
		RIGHT ANGLE PCB
PCB/ SOLDER	2M805-011	Receptacle w/ Right Angle PCB

2. SHELL STYLE

Part #	Desciption
	PLUG
-16	Self-Locking Plug with Ratchet mechanism
	RECEPTACLE
-01	In-Line Receptacle
-02	Square Flange Receptacle
-07	Jam Nut* Receptacle
	STRAIGHT PCB/SOLDER
-02	Square Flange Receptacle
-07	Jam Nut* Receptacle
	RIGHT ANGLE
-07	Jam Nut* Receptacle

*add "-501" as a suffix to the Jam Nut Part number to include a Hex Nut instead of a Spanner Nut.

3. SERVICE CLASS

Material	Part #	Description	RoHS
ALUMINUM	C	Anodized (Non-conductive)	✓
ALUMINUM	M	Electroless Nickel	✓
ALUMINUM	NF	Olive Drab Cadmium	
ALUMINUM	MT	Durmalon (Ni PTFE)	✓
ALUMINUM	ZN	Olive Drab Zinc Nickel	✓
ALUMINUM	ZNU	Black Zinc Nickel	✓
ALUMINUM	BEN	Black Electroless Nickel	✓
STAINLESS STEEL	Z1	Passivated	✓
STAINLESS STEEL	ZM	Electroless Nickel	✓

4. SHELL SIZE-INSERT ARRANGEMENT

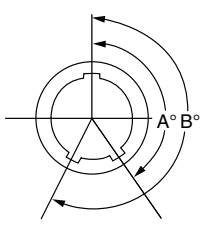
See Table on pages 7-20

5. CONTACTS

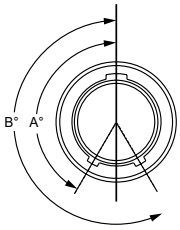
Style	Part #	Description
CRIMP	P	Pin
CRIMP	S	Socket
CRIMP	A	Pin-Less Contacts
CRIMP	B	Socket-Less Contacts
		STRAIGHT/RIGHT ANGLE
PCB/ SOLDER	P	Pin-PCB
PCB/ SOLDER	S	Socket-PCB
PCB/ SOLDER	E	Pin-Solder Cup
PCB/ SOLDER	F	Socket-Solder Cup

6. KEYING

Part #	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°



Receptacle View



Plug View

For additional assistance building a part number and for 3D models, please visit www.amphenol-aerospace.com to access our 2M configurator.

2M805 Tri-Start Threaded Coupling

Connector Weight in Grams

SERIES 2M805 CONNECTOR WEIGHT IN GRAMS

Insert Arrange	Cable Plug	J/N Recept. Crimp	J/N Recept. PCB	Sq. Flange Recept. Crimp	Sq. Flange Recept. PCB
8-1P	7.5	5.8	5.7	5.8	4.6
8-1S	7.9	6.3	6.2	6.3	5.1
8-4P	8.3	6.6	6.5	6.6	5.4
8-4S	8.8	7.2	7.0	7.2	5.9
8-7P	7.3	5.6	5.5	5.6	4.4
8-7S	7.7	6.1	5.9	6.1	4.8
9-1P	10.9	9.0	9.0	6.8	7.7
9-1S	11.4	9.6	9.6	7.4	8.3
9-10P	10.7	8.8	8.8	6.6	7.5
9-10S	11.6	9.7	9.7	7.5	8.4
10-2P	13.3	10.2	10.3	8.9	9.4
10-2S	14.1	11.0	11.1	9.7	10.1
10-13P	12.7	9.6	9.7	8.3	8.7
10-13S	13.4	10.3	10.5	9.0	9.5
10-200P	13.9	10.8	10.9	9.5	9.9
10-200S	14.7	11.7	11.8	10.3	10.8
11-4P	15.4	12.1	13.1	10.3	11.3
11-4S	16.4	13.1	14.1	11.3	12.3
11-19P	14.3	11.0	12.0	9.2	10.2
11-19S	15.4	12.1	13.1	10.3	11.3
11-200P	14.9	11.6	12.5	9.8	10.8
11-200S	16.0	12.7	13.6	10.9	11.9
11-201P	15.4	12.1	13.1	10.3	11.3
11-201S	16.6	13.3	14.3	11.6	12.5
12-5P	17.6	13.9	16.3	12.2	13.1
12-5S	19.0	15.3	17.7	13.6	14.5
12-26P	15.8	12.1	14.5	10.5	11.3
12-26S	17.4	13.6	16.1	12.0	12.9
12-200P	16.5	12.8	15.2	11.1	12.0
12-200S	17.9	14.2	16.6	12.5	13.4
12-201P	16.6	12.9	15.3	11.2	12.1
12-201S	18.0	14.3	16.7	12.7	13.5

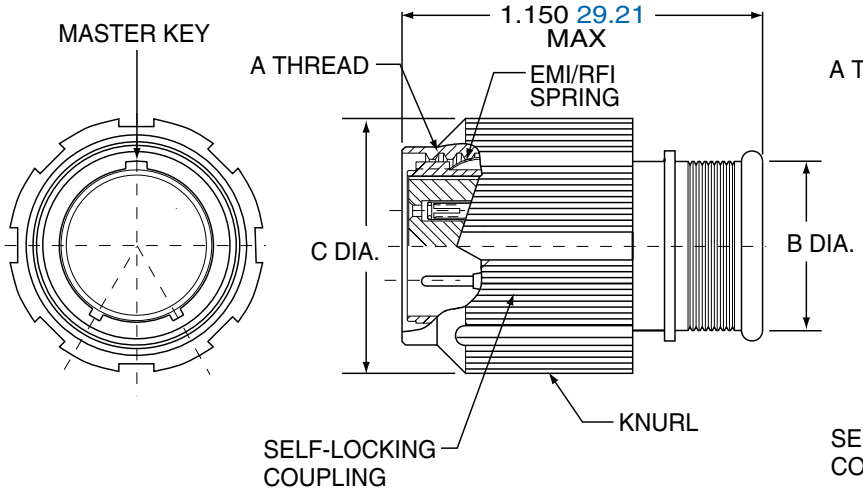
SERIES 2M805 CONNECTOR WEIGHT IN GRAMS

Insert Arrange	Cable Plug	J/N Recept. Crimp	J/N Recept. PCB	Sq. Flange Recept. Crimp	Sq. Flange Recept. PCB
12-202P	16.6	12.9	15.3	11.2	12.1
12-202S	18.2	14.4	16.8	12.8	13.6
15-2P	20.7	20.2	21.8	17.1	19.5
15-2S	22.3	21.9	23.4	18.7	21.1
15-3P	21.7	21.2	22.8	18.0	20.5
15-3S	23.4	23.0	24.5	19.8	22.2
15-7P	21.9	21.5	23.0	18.3	20.7
15-7S	24.5	24.1	25.6	20.9	23.3
15-37P	20.1	19.7	21.2	16.5	18.9
15-37S	23.0	22.6	24.1	19.4	21.8
15-200P	20.4	19.9	21.5	16.7	19.1
15-200S	22.6	22.1	23.7	18.9	21.3
15-201P	20.7	20.2	21.8	17.1	19.5
15-201S	23.0	22.6	24.1	19.4	21.8
18-5P	29.9	31.6	30.1	26.1	29.0
18-5S	32.9	34.5	33.1	29.0	32.0
18-12P	30.7	32.3	30.9	26.8	29.8
18-12S	34.3	36.0	34.5	30.5	33.4
18-55P	27.3	28.9	27.5	23.4	26.4
18-55S	30.7	32.3	30.9	26.8	29.8
19-7P	27.9	30.0	33.1	25.1	33.0
19-7S	31.0	33.1	36.2	28.2	36.1
19-14P	32.9	35.0	38.1	30.0	38.0
19-14S	32.6	34.7	37.7	29.7	37.6
19-85P	26.6	28.7	31.8	23.8	31.7
19-85S	31.1	33.2	36.3	28.3	36.2
23-17P	40.2	42.9	44.4	36.7	43.9
23-12S	45.2	48.0	49.5	41.8	49.0
23-22P	42.7	45.4	47.0	39.3	46.4
23-22S	49.6	52.4	53.9	46.2	53.4
23-130P	37.8	40.6	42.1	34.4	41.6
23-130S	44.9	47.7	49.3	41.6	48.7

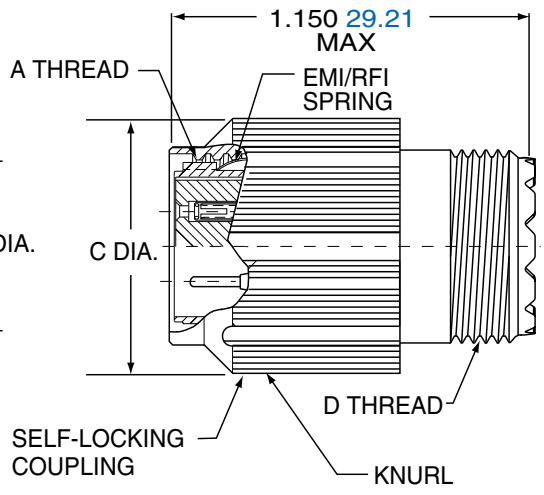
2M805 Tri-Start Plug

2M805-001 and 2M805-002

2M805-001



2M805-002

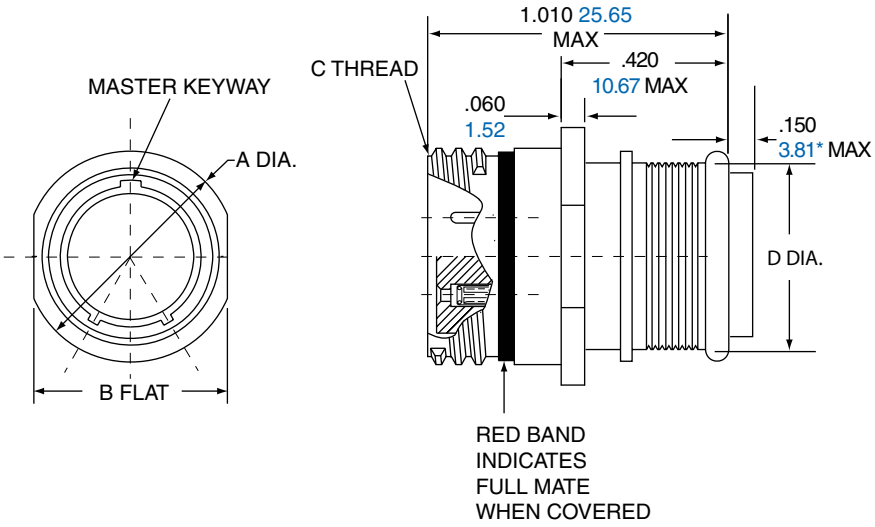


Shell Size	A Threads	B Dia.		C Dia.		D Threads Accessory
		in.	mm.	in.	mm.	
8	.5000-.1P-.3L-TS-2B	.317	8.05	.691	17.55	.3750-32 UNEF-2A
9	.5625-.1P-.3L-TS-2B	.397	10.08	.787	19.99	.4375-28 UNEF-2A
10	.6250-.1P-.3L-TS-2B	.473	12.01	.826	20.98	.5000-28 UNEF-2A
11	.6875-.1P-.3L-TS-2B	.519	13.18	.925	23.50	.5625-24 UNEF-2A
12	.7500-.1P-.3L-TS-2B	.585	14.86	.982	24.94	.6250-24 UNEF-2A
15	.9375-.1P-.3L-TS-2B	.687	17.45	1.105	28.07	.7500-20 UNEF-2A
18	1.1250-.1P-.3L-TS-2B	.884	22.45	1.275	32.39	.9375-20 UNEF-2A
19	1.1875-.1P-.3L-TS-2B	.884	22.45	1.310	33.27	.9375-20 UNEF-2A
23	1.4375-.1P-.3L-TS-2B	1.135	28.83	1.562	39.67	1.1875-18 UNEF-2A

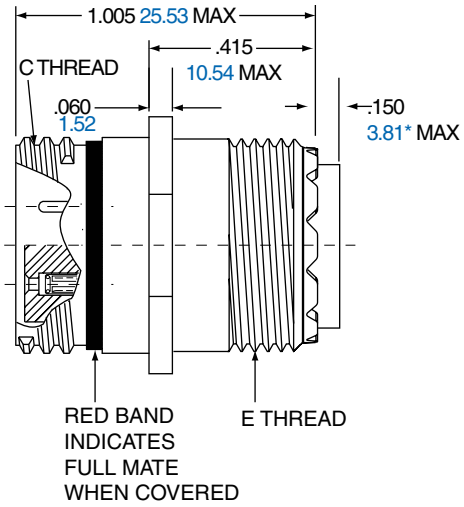
2M805 Tri-Start In-Line Receptacle

2M805-003-01 and 2M805-004-01

2M805-003-01



2M805-004-01

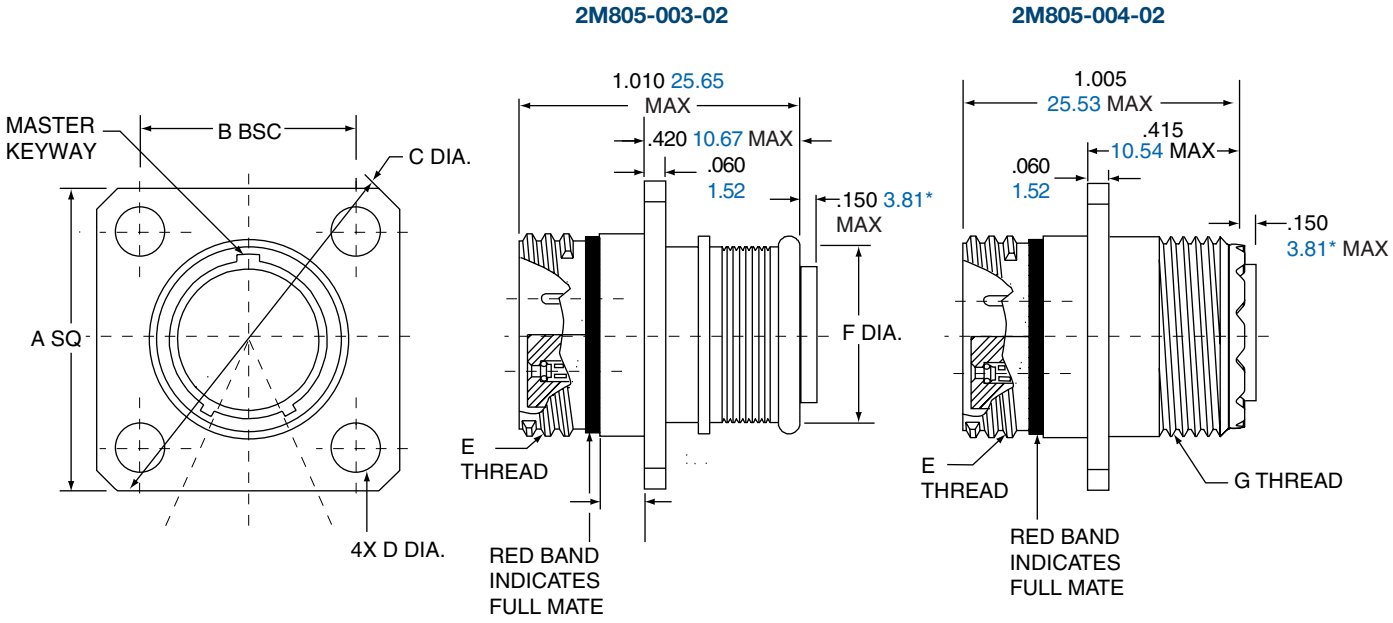


* Grommet protrudes for power/combo arrangement

Shell Size	A Dia.		B Flat		C Threads	D Dia.		E Threads Accessory
	in.	mm.	in.	mm.		in.	mm.	
8	.543	13.79	.513	13.03	.5000-.1P-.3L-TS-2A	.317	8.05	.3750-32 UNEF-2A
9	.608	15.44	.578	14.68	.5625-.1P-.3L-TS-2A	.397	10.08	.4375-28 UNEF-2A
10	.671	17.04	.641	16.28	.6250-.1P-.3L-TS-2A	.473	12.01	.5000-28 UNEF-2A
11	.733	18.62	.703	17.86	.6875-.1P-.3L-TS-2A	.519	13.18	.5625-24 UNEF-2A
12	.796	20.22	.766	19.46	.7500-.1P-.3L-TS-2A	.585	14.86	.6250-24 UNEF-2A
15	.983	24.97	.953	24.21	.9375-.1P-.3L-TS-2A	.687	17.45	.7500-20 UNEF-2A
18	1.168	29.67	1.138	28.91	1.1250-.1P-.3L-TS-2A	.884	22.45	.9375-20 UNEF-2A
19	1.238	31.45	1.208	30.68	1.1875-.1P-.3L-TS-2A	.884	22.45	.9375-20 UNEF-2A
23	1.485	37.72	1.455	39.96	1.4375-.1P-.3L-TS-2A	1.135	28.83	1.1875-18 UNEF-2A

2M805 Tri-Start Square Flange Receptacle

2M805-003-02 and 2M805-004-02

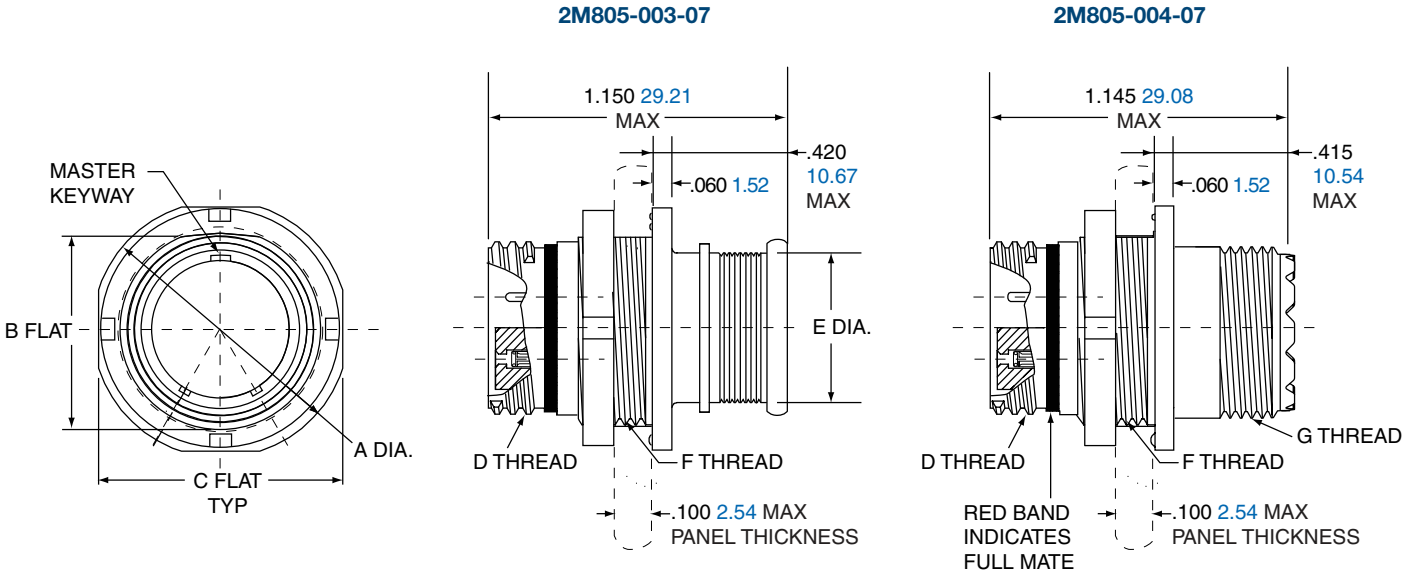


* Grommet protrudes for power/combo arrangement

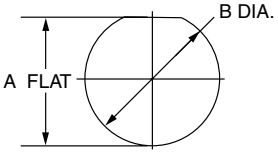
Shell Size	A Sq.		B BSC.		C Dia.		D Dia.		E Threads	F Dia.		G Threads Accessory
	in.	mm.	in.	mm.	in.	mm.	in. ±.003	mm. ±.08		in.	mm.	
8	.853	21.67	.660	16.76	1.153	29.29	.091	2.31	.5000-.1P-.3L-TS-2A	.317	8.05	.3750-32 UNEF-2A
9	.916	23.27	.723	18.36	1.233	31.32	.091	2.31	.5625-.1P-.3L-TS-2A	.397	10.08	.4375-28 UNEF-2A
10	.978	24.84	.785	19.94	1.333	33.86	.091	2.31	.6250-.1P-.3L-TS-2A	.473	12.01	.5000-28 UNEF-2A
11	1.042	26.47	.848	21.54	1.413	35.89	.091	2.31	.6875-.1P-.3L-TS-2A	.519	13.18	.5625-24 UNEF-2A
12	1.102	27.99	.909	23.09	1.503	38.18	.091	2.31	.7500-.1P-.3L-TS-2A	.585	14.86	.6250-24 UNEF-2A
15	1.291	32.79	1.058	26.87	1.753	44.53	.125	3.18	.9375-.1P-.3L-TS-2A	.687	17.45	.7500-20 UNEF-2A
18	1.478	37.54	1.255	31.88	2.003	50.88	.125	3.18	1.1250-.1P-.3L-TS-2A	.884	22.45	.9375-20 UNEF-2A
19	1.540	39.12	1.327	33.71	2.097	53.26	.125	3.18	1.1875-.1P-.3L-TS-2A	.884	22.45	.9375-20 UNEF-2A
23	1.790	45.47	1.570	39.88	2.443	62.05	.125	3.18	1.4375-.1P-.3L-TS-2A	1.135	28.83	1.1875-18 UNEF-2A

2M805 Tri-Start Jam Nut Receptacle

2M805-003-07 and 2M805-004-07



Shell Size	A Dia.		B Flat		C Flat		D Threads	E Dia.		F Threads	G Threads Accessory
	in.	mm.	in.	mm.	in.	mm.		in.	mm.		
8	.760	19.30	.535	13.59	.730	18.54	.5000-.1P-.3L-TS-2A	.317	8.05	.5625-28 UN-2A	.3750-32 UNEF-2A
9	.880	22.35	.661	16.79	.850	21.59	.5625-.1P-.3L-TS-2A	.397	10.08	.6875-28 UN-2A	.4375-28 UNEF-2A
10	.880	22.35	.661	16.79	.850	21.59	.6250-.1P-.3L-TS-2A	.473	12.01	.6875-28 UN-2A	.5000-28 UNEF-2A
11	.955	24.26	.721	18.31	.925	23.50	.6875-.1P-.3L-TS-2A	.519	13.18	.7500-28 UN-2A	.5625-24 UNEF-2A
12	1.065	27.05	.784	19.91	1.039	26.39	.7500-.1P-.3L-TS-2A	.585	14.86	.8125-28 UN-2A	.6250-24 UNEF-2A
15	1.203	30.56	.970	24.64	1.173	29.79	.9375-.1P-.3L-TS-2A	.687	17.45	1.0000-28 UN-2A	.7500-20 UNEF-2A
18	1.395	35.43	1.150	29.21	1.359	34.52	1.1250-.1P-.3L-TS-2A	.884	22.45	1.1875-28 UN-2A	.9375-20 UNEF-2A
19	1.450	36.83	1.221	31.01	1.420	36.07	1.1875-.1P-.3L-TS-2A	.884	22.45	1.2500-28 UN-2A	.9375-20 UNEF-2A
23	1.705	43.31	1.470	37.34	1.678	42.62	1.4375-.1P-.3L-TS-2A	1.135	28.83	1.5000-28 UN-2A	1.1875-18 UNEF-2A

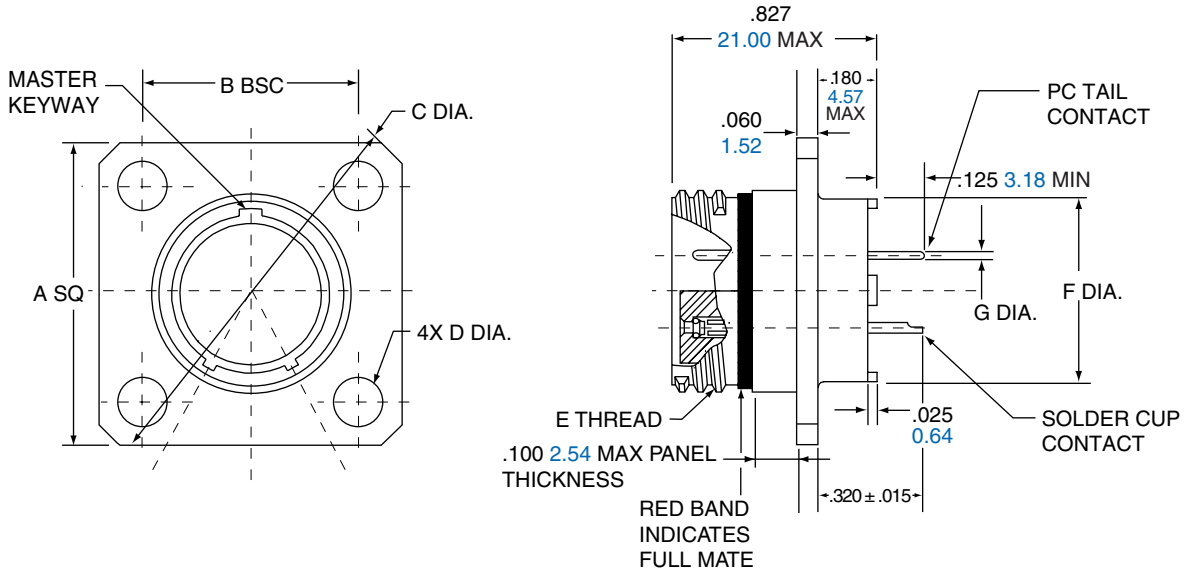


PANEL CUTOUT FOR JAM NUT				
	A Flat		B Dia	
Shell Size	in. ±.002	mm. ± 0.05	in. ±.005	mm. ± 0.13
8	.543	13.79	.572	14.53
9	.669	16.99	.698	17.73
10	.669	16.99	.698	17.73
11	.729	18.51	.760	19.30
12	.792	20.17	.822	20.88
15	.978	24.84	1.010	25.65
18	1.155	29.34	1.198	30.43
19	1.231	31.27	1.260	32.00
23	1.480	37.59	1.510	38.35

2M805 Tri-Start PC Tail, Solder Cup Square Flange

2M805-005-02 and 2M805-017-02

2M805-005-02
2M805-017-02

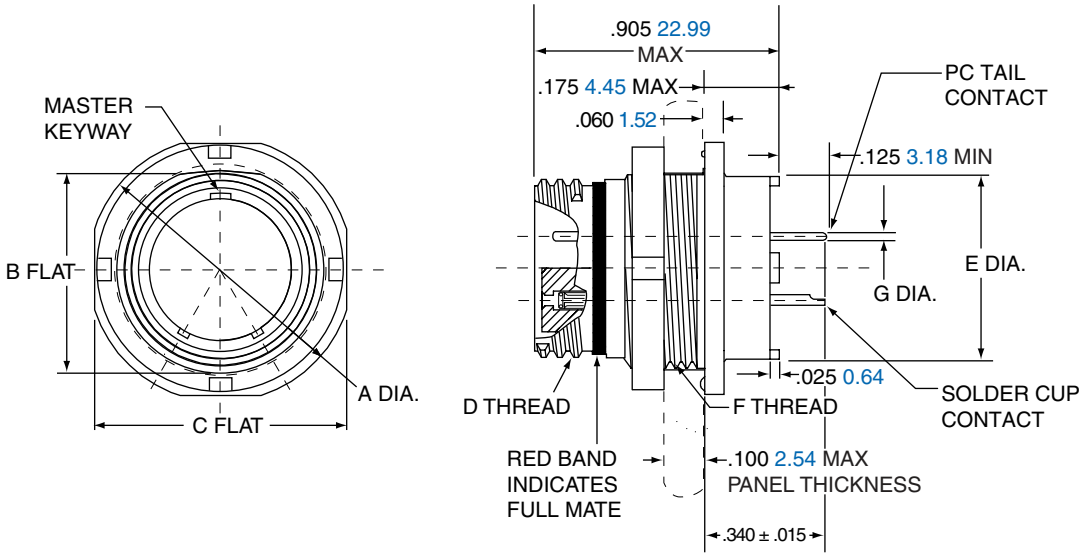


Shell Size	A Sq.		B BSC.		C Dia.		D Dia.		E Threads	F Dia.		G PC Tail Dia.
	in.	mm.	in.	mm.	in.	mm.	in. ±.003	mm. ±.08		in.	mm.	
8	.853	21.67	.660	16.76	1.153	29.29	.091	2.31	.5000-.1P-.3L-TS-2A	.330	8.38	**#23** .018/.022 0.46/0.56
9	.916	23.27	.723	18.36	1.233	31.32	.091	2.31	.5625-.1P-.3L-TS-2A	.432	10.97	
10	.978	24.84	.785	19.94	1.333	33.86	.091	2.31	.6250-.1P-.3L-TS-2A	.493	12.52	**#20/20HD** .025/.027 0.64/0.69
11	1.042	26.47	.848	21.54	1.413	35.89	.091	2.31	.6875-.1P-.3L-TS-2A	.551	14.00	
12	1.102	27.99	.909	23.09	1.503	38.18	.091	2.31	.7500-.1P-.3L-TS-2A	.620	15.78	**#16** .060/.064 1.521/1.63
15	1.291	32.79	1.058	26.87	1.753	44.53	.125	3.18	.9375-.1P-.3L-TS-2A	.703	17.86	
18	1.478	37.54	1.255	31.88	2.003	50.88	.125	3.18	1.1250-.1P-.3L-TS-2A	.863	21.92	**#12** .092/.096 2.34/2.44
19	1.540	39.12	1.327	33.71	2.097	53.26	.125	3.18	1.1875-.1P-.3L-TS-2A	.912	23.16	
23	1.790	45.47	1.570	39.88	2.443	62.05	.125	3.18	1.4375-.1P-.3L-TS-2A	1.162	29.51	

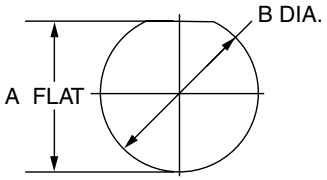
2M805 Tri-Start PC Tail, Solder Cup Jam Nut

2M805-005-07 and 2M805-017-07

2M805-005-07
2M805-017-07



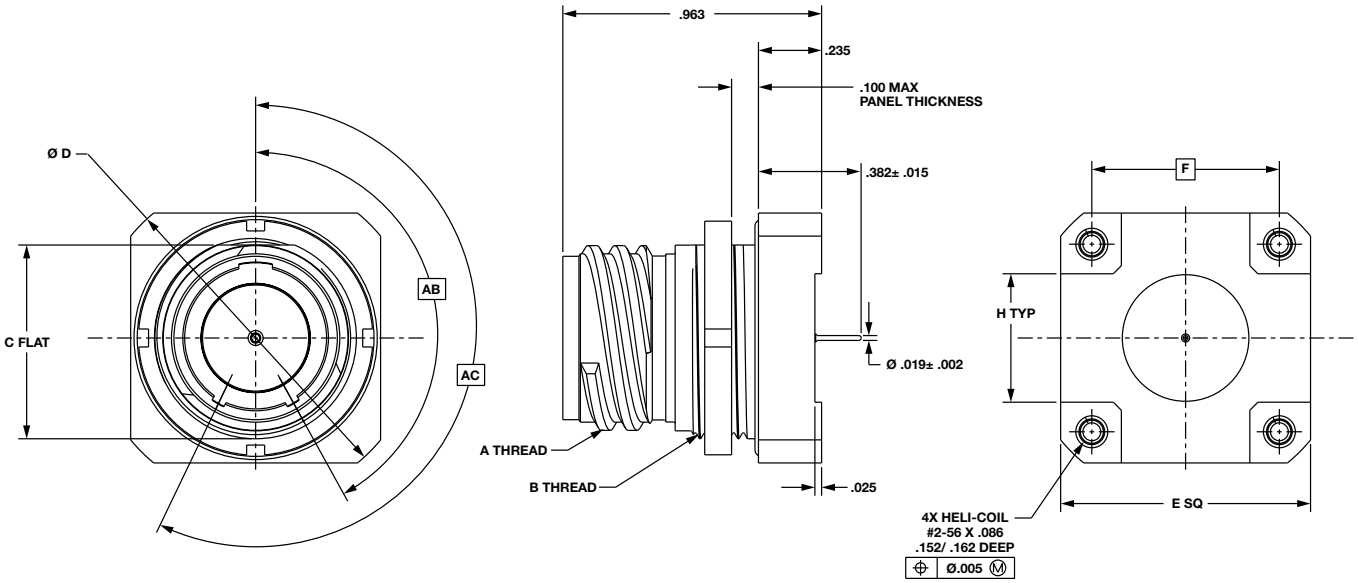
Shell Size	A Dia.		B Flat		C Flat		D Threads	E Dia.		F Threads	G PC Tail Dia.
	in.	mm.	in.	mm.	in.	mm.		in.	mm.		
8	.760	19.30	.535	13.59	.730	18.54	.5000-.1P-.3L-TS-2A	.330	8.38	.5625-28 UN-2A	**#23** .018/.022 0.46/0.56
9	.880	22.35	.661	16.79	.850	21.59	.5625-.1P-.3L-TS-2A	.432	10.97	.6875-28 UN-2A	
10	.880	22.35	.661	16.79	.850	21.59	.6250-.1P-.3L-TS-2A	.493	12.52	.6875-28 UN-2A	**#20/20HD** .025/.027 0.64/0.69
11	.955	24.26	.721	18.31	.925	23.50	.6875-.1P-.3L-TS-2A	.551	14.00	.7500-28 UN-2A	
12	1.060	26.92	.784	19.91	1.035	26.29	.7500-.1P-.3L-TS-2A	.620	15.78	.8125-28 UN-2A	**#16** .060/.064 1.521/1.63
15	1.203	30.56	.970	24.64	1.173	29.79	.9375-.1P-.3L-TS-2A	.703	17.86	1.0000-28 UN-2A	
18	1.395	35.43	1.150	29.21	1.359	34.52	1.1250-.1P-.3L-TS-2A	.863	21.92	1.1875-28 UN-2A	
19	1.450	36.83	1.221	31.01	1.420	36.07	1.1875-.1P-.3L-TS-2A	.912	23.16	1.2500-28 UN-2A	**#12** .092/.096 2.34/2.44
23	1.705	43.31	1.470	37.34	1.675	42.55	1.4375-.1P-.3L-TS-2A	1.162	29.51	1.5000-28 UN-2A	



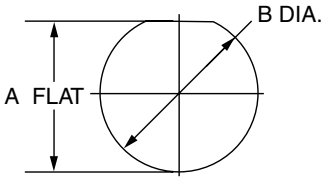
PANEL CUTOUT FOR JAM NUT				
	A Flat		B Dia	
Shell Size	in. ±.002	mm. ± 0.05	in. ±.005	mm. ± 0.13
8	.543	13.79	.572	14.53
9	.669	16.99	.698	17.73
10	.669	16.99	.698	17.73
11	.729	18.51	.760	19.30
12	.792	20.17	.822	20.88
15	.978	24.84	1.010	25.65
18	1.155	29.34	1.198	30.43
19	1.231	31.27	1.260	32.00
23	1.480	37.59	1.510	38.35

2M805 PCB Standoff Double Flange

2M805-067-07



Shell Size	A Threads	B Threads	C Flat		D Dia.		E SQ		F		H Typ	
			in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
8	.5000-.1P-.3L-TS-2A	.5625-28 UN-2A	.535	13.59	.923	23.44	.732	18.59	.496	12.60	.273	6.93
9	.5625-.1P-.3L-TS-2A	.6875-28 UN-2A	.661	16.79	1.113	28.27	.862	21.89	.627	15.93	.404	10.26
10	.6250-.1P-.3L-TS-2A	.6875-28 UN-2A	.661	16.79	1.113	28.27	.862	21.89	.627	15.93	.404	10.26
11	.6875-.1P-.3L-TS-2A	.7500-28 UN-2A	.721	18.31	1.203	30.55	.933	23.70	.698	17.73	.475	12.06
12	.7500-.1P-.3L-TS-2A	.8125-28 UN-2A	.784	19.91	1.373	34.87	1.047	26.59	.812	20.62	.589	14.96
15	.9375-.1P-.3L-TS-2A	1.0000-28 UN-2A	.970	24.64	1.563	39.70	1.178	29.92	.943	23.95	.720	18.28
18	1.1250-.1P-.3L-TS-2A	1.1875-28 UN-2A	1.147	29.13	1.803	45.79	1.354	34.39	1.119	28.42	.896	22.75
19	1.1875-.1P-.3L-TS-2A	1.2500-28 UN-2A	1.221	31.01	1.883	47.83	1.410	35.81	1.175	29.84	.952	24.18
23	1.4375-.1P-.3L-TS-2A	1.5000-28 UN-2A	1.470	37.34	2.273	57.73	1.683	42.75	1.448	36.78	1.225	31.11



PANEL CUTOUT				
	A Flat		B Dia	
Shell Size	in. ±.002	mm. ± 0.05	in. ±.005	mm. ± 0.13
8	.543	13.79	.572	14.53
9	.669	16.99	.698	17.73
10	.669	16.99	.698	17.73
11	.729	18.51	.760	19.30
12	.792	20.17	.822	20.88
15	.978	24.84	1.010	25.65
18	1.155	29.34	1.198	30.43
19	1.231	31.27	1.260	32.00
23	1.480	37.59	1.510	38.35

2M805 Tri-Start Protection Cap

Ordering Guide for 2M667-261 and 2M667-262

2M805 Tri-Start Protection Caps are available in plug and receptacle versions. Protective caps keep the connector interface dry and clean while not in use. Caps come in a variety of materials, lanyard styles, and lengths to accommodate specific design requirements.

1. SERIES	2. SERVICE CLASS	3. ATTACHMENT TYPE	4. SHELL SIZE	5. ATTACHMENT CODE	6. ATTACHMENT LENGTH IN INCHES
2M667-26X	-NF	-H	9	04	-5

1. SERIES

Part #	Description
2M667-261	Protection Caps 2M805 Plugs
2M667-262	Protection Caps 2M805 Receptacles

2. SERVICE CLASS

Material	Part #	Description	RoHS
ALUMINUM	-C	Black Anodized (Non-conductive)	✓
	-M	Electroless Nickel	✓
	-NF	Olive Drab Cadmium	
	-MT	Durmalon (Ni PTFE)	✓
	-ZN	Olive Drab Zinc Nickel	✓
	-ZNU	Black Zinc Nickel	✓
STAINLESS STEEL	-Z1	Passivated	✓
	-ZM	Electroless Nickel	✓

3. ATTACHMENT TYPE

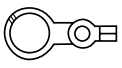
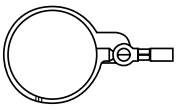
	Part #	Description
	-G	Nylon Rope
	-H	Stainless Steel Wire Rope, Tef-lon® Jacket
	-N	No Attachment
	-S	Stainless Steel Sash Chain
	-SK	Nylon Rope With Slip Knot
	-T	Stainless Steel Wire Rope, No Jacket
	-U	Stain-less Steel Wire Rope, Polyurethane Jacket

4. SHELL SIZE

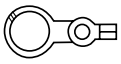
Part #
8
9
10
11
12
15
18
19
23

5. ATTACHMENT CODE

Omit for attachment Types N (No Attachment) and SK (Slip Knot)

			For Shell Size
	Small Ring	01 –.126 (3.20) I.D.	
		02 –.145 (3.68) I.D.	
		04 –.188 (4.78) I.D.	
		06 –.197 (5.00) I.D.	
	Large Ring	17 –.635 (16.13) I.D.	8
		18 –.695 (17.65) I.D.	9, 10
		19 – .885 (22.48) I.D.	12
		20 –1.070 (27.17) I.D.	15
		22 –1.210 (30.73) I.D.	18
		23 –1.275 (32.39) I.D.	19
		25 –1.530 (38.86) I.D.	23
	Split Ring	50 –.420 (10.67) I.D.	
		52 –.480 (12.19) I.D.	
		54 –.635 (16.13) I.D.	
		56 –.745 (18.92) I.D.	
		58 –.885 (22.48) I.D.	
		60 –1.010 (25.65) I.D.	
		64 –1.125 (28.58) I.D.	
		68 –1.345 (34.16) I.D.	

5. ADDITIONAL ATTACHMENT CODE

	Large Ring	14 –.385 (9.78) I.D.
		15 –.445 (11.30) I.D.
		16 –.570 (14.48) I.D.
		21 –1.135 (38.86) I.D.
		26 –.950 (24.13) I.D.
		27 –.766 (19.46) I.D.
		28 –1.015 (25.78) I.D.
		29 –.315 (8.0) I.D.
		30 –1.380 (35.05) I.D.
		31 –.820 (20.83) I.D.
		32 –265 (6.7) I.D.
		33 –.510 (12.95) I.D.

6. ATTACHMENT LENGTH IN INCHES

-5	Inch Length

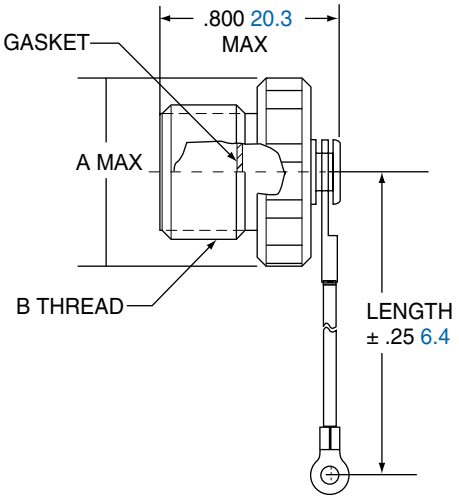
Omit for attachment Type N (No Attachment)
Example "-5" equals five inch length

Assembly Instructions for Protection Cap, see page 100.

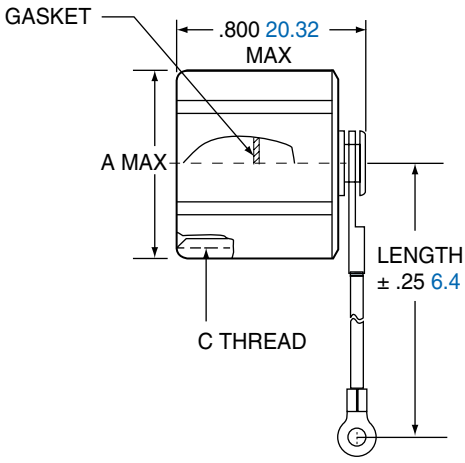
2M805 Tri-Start Protection Cap

Metal Protective Caps 2M667-261 and 2M667-262

2M667-261



2M667-262



Shell Size	A Max.		B Thread	C Thread
	in.	mm.		
8	.656	16.66	.5000-.1P-.3L-TS-2A	.5000-.1P-.3L-TS-2B
9	.718	18.24	.5625-.1P-.3L-TS-2A	.5625-.1P-.3L-TS-2B
10	.781	19.84	.6250-.1P-.3L-TS-2A	.6250-.1P-.3L-TS-2B
11	.844	21.44	.6875-.1P-.3L-TS-2A	.6875-.1P-.3L-TS-2B
12	.906	23.01	.7500-.1P-.3L-TS-2A	.7500-.1P-.3L-TS-2B
15	1.094	27.79	.9375-.1P-.3L-TS-2A	.9375-.1P-.3L-TS-2B
18	1.281	32.54	1.1250-.1P-.3L-TS-2A	1.1250-.1P-.3L-TS-2B
19	1.343	34.11	1.1875-.1P-.3L-TS-2A	1.1875-.1P-.3L-TS-2B
23	1.603	40.72	1.4375-.1P-.3L-TS-2A	1.4375-.1P-.3L-TS-2B

MATERIALS AND FINISHES	
Cover	Aluminum alloy or stainless steel
Gasket	Fluorosilicone rubber
Wire, Hardware	Stainless steel, passivated